

CLAIMS

What is claimed is:

1. A tank for a heat exchanger having a tubular body with the inner space thereof partitioned into a plurality of chambers with a partitioning wall extending along the direction in which heat exchanging tubes are layered and tube insertion holes through which open ends of said heat exchanging tubes are inserted formed at a side face over the individual chambers at said tubular body,

a slit is formed over all the surfaces constituting side faces of each chamber;

wherein said partitioning wall includes groove portions formed therein at a position corresponding to the position of said slit, at which a partition plate for partitioning said chamber along the length of said tank is fitted; and

wherein said each chamber is divided into a plurality of sub-chambers by inserting said partition plate through said slit.

2. A tank for a heat exchanger having a tubular body with the inner space thereof partitioned into a plurality of chambers with a partitioning wall extending along the direction in which heat exchanging tubes are layered and tube insertion holes through which open ends of said heat exchanging tubes are inserted formed at side faces of the individual chambers at said tubular body,

slits are formed so as to open at side faces ranging along the air flow direction and facing opposite each other among side faces of each chamber;

groove portions, at which a partition plate for partitioning said chamber along the length of said tank is fitted, are formed at said partitioning wall and the side face perpendicular to the air flow direction among the side faces at positions corresponding to

the position of said slits; and

wherein said each chamber is divided into a plurality of sub-chambers by inserting said partition plate through said slits.

3. A tank for a heat exchanger according to claim 1 or claim 2,

wherein said partition plate is constituted with a plate portion for blocking said chamber and an upright portion rising from an end of said plate portion and allowed to come into contact with an edge of a slit.

4. A tank for a heat exchanger according to claim 1,

wherein said partition plate is constituted with a pair of plate portions for blocking the chamber, a turn portion connecting the insertion-side ends of said plate portions and upright portions rising from the ends of said plate portions on the side opposite from the insertion-side ends and allowed to come into contact with an edge of a slit, with said turn portion having elasticity so as to spring back in response to a pressing force applied from outside.

5. A tank for a heat exchanger according to claim 1 or claim 2,

wherein said slits formed at adjacent chambers are offset from each other along the direction in which said heat exchanging tubes are layered.